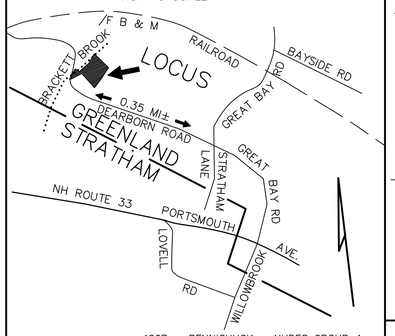
LOCUS MAP

NOT TO SCALE



460B – PENNICHUCK – NHDES GROUP 4
538B – SQUAMSCOTT – NHDES GROUP 5
SOIL CLASS: 33A – SCITICO – NHDES GROUP 5
(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 TOP OF SET IRON PIPE ELEV 95.10

#2 SET HUB ELEV 97.77

#3 SET HUB ELEV 90.04

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 96.0
2. THERE IS/ARE APPROX 1.3' FT ABOVE ORIGINAL (EL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS.94.7) EQUALS 1.7' ABOVE GRADE AT EL 94.3 (70% BED AREA DOWNSLOPE)

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

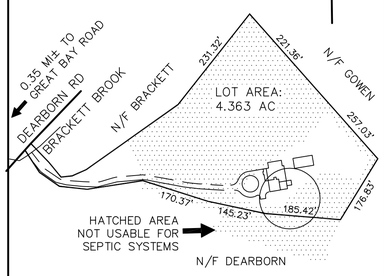
LEGEND:

- 50 / (50) — EXISTING CONTOUR / PROPOSED CONTOUR
- 50.0 — EXISTING SPOT ELEVATION
- (50.0) — PROPOSED SPOT ELEVATION

NOTES:

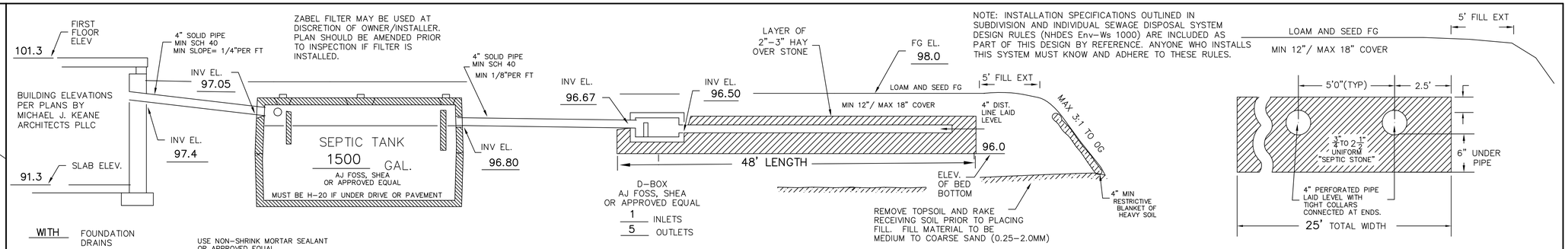
1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD PLAN D34443
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: SA2006006736

   REFERENCE NHDES WETLANDS PERMIT 2005–1470 FOR DRIVEWAY CULVERT AT DEARBORN ROAD. CULVERT HAS BEEN INSTALLED.
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.
4. a) NO SURFACE WATER WITHIN 75'
   b) NO WELLS WITHIN 75'
   c) NO HYDRIC B SOILS WITHIN 75'
   d) NO HYDRIC A SOILS WITHIN 75'
5. A PORTION OF SUBJECT LOT NEAR BRACKETT BROOK BUT 200'± FROM CONSTRUCTION AREA SHOWN MAY BE IN FEMA 100 YEAR FLOOD HAZARD ZONE.



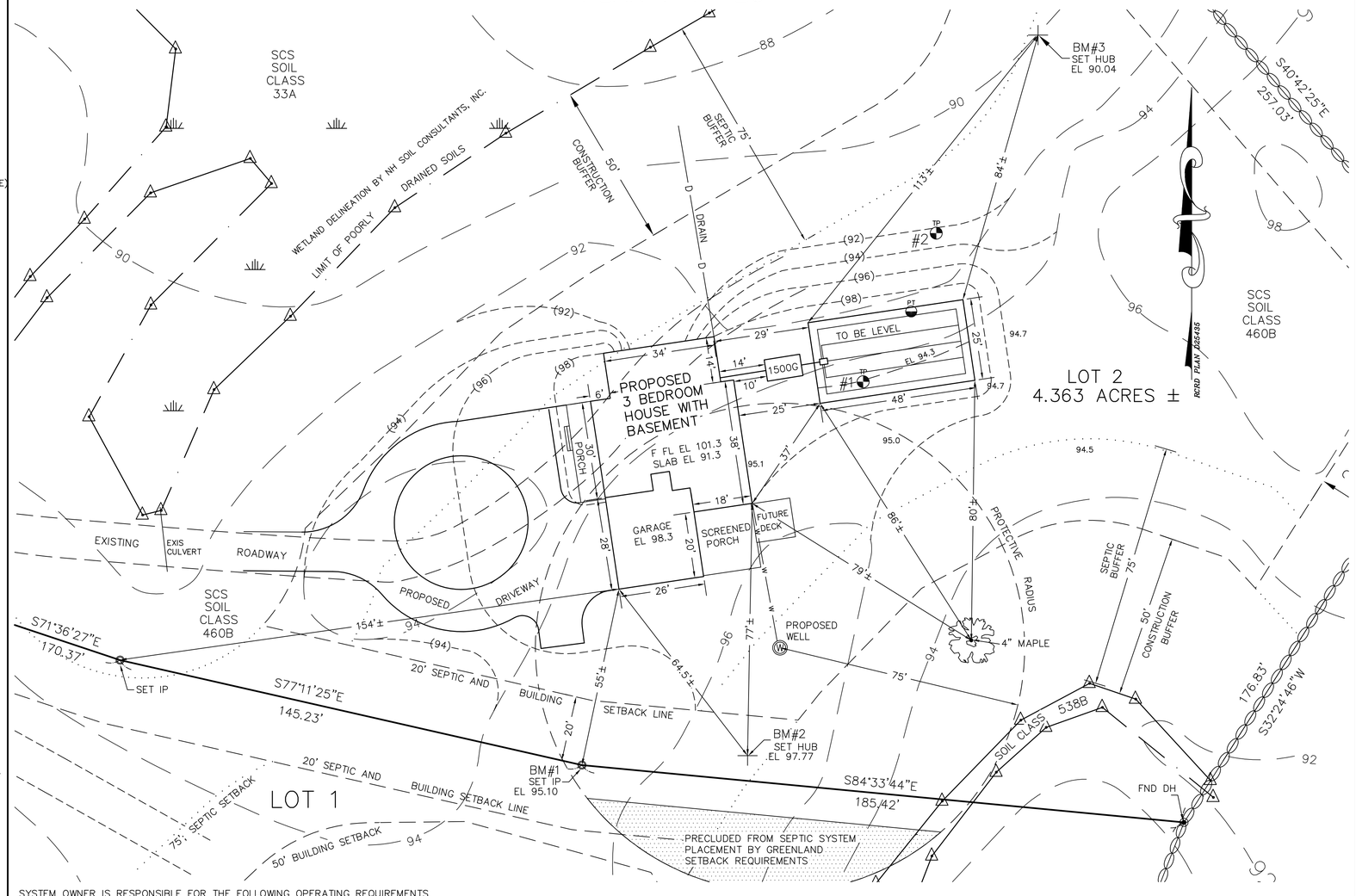
PLOT PLAN

1"=APPROX 150'


FIRST FLOOR ELEV
101.3
BUILDING ELEVATIONS PER PLANS BY MICHAEL J. KEANE ARCHITECTS PLLC
4" SOLID PIPE MIN SCH 40 MIN SLOPE= 1/4"PER FT
INV EL. 97.05
INV EL. 97.4
SLAB ELEV. 91.3
WITH FOUNDATION DRAINS
ZABEL FILTER MAY BE USED AT DISCRETION OF OWNER/INSTALLER. PLAN SHOULD BE AMENDED PRIOR TO INSPECTION IF FILTER IS INSTALLED.
4" SOLID PIPE MIN SCH 40 MIN 1/8"PER FT
SEPTIC TANK
1500 GAL.
AJ FOSS, SHEA OR APPROVED EQUAL
MUST BE H–20 IF UNDER DRIVE OR PAVEMENT
INV EL. 96.80
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL
INV EL. 96.67
INV EL. 96.50
D–BOX AJ FOSS, SHEA OR APPROVED EQUAL
1 INLETS
5 OUTLETS
LAYER OF 2"–3" HAY OVER STONE
FG EL. 98.0
LOAM AND SEED FG
MIN 12"/ MAX 18" COVER
5' FILL EXT
4" DIST. LINE LAID LEVEL
MAX 3:1 TO OG
96.0
48' LENGTH
ELEV. OF BED BOTTOM
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
NOTE: INSTALLATION SPECIFICATIONS OUTLINED IN SUBDIVISION AND INDIVIDUAL SEWAGE DISPOSAL SYSTEM DESIGN RULES (NHDES Env–Ws 1000) ARE INCLUDED AS PART OF THIS DESIGN BY REFERENCE. ANYONE WHO INSTALLS THIS SYSTEM MUST KNOW AND ADHERE TO THESE RULES.
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
5'0"(TYP)
2.5'
1" TO 2 1/2" UNIFORM "SEPTIC STONE"
6" UNDER PIPE
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
25' TOTAL WIDTH

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

PLAN : 1"=20'



SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TEST PIT DATA TP

DATE: DECEMBER 19, 2005
LOGGED BY ANNE W. BIALOBRZESKI NHDES DESIGNER PERMIT #348
WITNESSED BY BOB CUSHMAN, TOWN OF GREENLAND

TP TEST PIT #1

0 –13" 10YR3/4 FINE SANDY LOAM, GRANULAR FRIABLE
13–28" 10YR5/6 FINE SANDY LOAM, GRANULAR FRIABLE
28–56" 2.5Y5/4 FINE SANDY LOAM, MASSIVE FIRM, MOTTLED
56–72" 10YR3/3 GRAVELLY COARSE SAND, GRANULAR LOOSE, MOIST
ESHWT @ 28"
OBSERVED WATER @ 72"
ROOTS TO 40"±
NO REFUSAL

TP TEST PIT #2

0 –10" 10YR3/4 FINE SANDY LOAM, GRANULAR FRIABLE
10–20" 10YR5/4 FINE SANDY LOAM, GRANULAR FRIABLE
20–36" 2.5Y5/4 FINE SANDY LOAM, MASSIVE FIRM, MOTTLED
36–72" 10YR3/3 FINE SAND, GRANULAR, SOMEWHAT FIRM IN PLACE
ESHWT @ 20"
OBSERVED WATER @ 52"
ROOTS TO 30"±
NO REFUSAL

PT PERC TEST DATA

PT PERCOLATION RATE EST. 12 MIN/IN @ 24" DEPTH

DESIGN LOADING: PROPOSED 3 BEDROOM HOUSE

AREA REQUIRED: LEACH FIELD – 900 SF REQUIRED

AREA PROPOSED: 25' X 48' = 1200 SF PROVIDED

(SEPTIC TANK – 1250 GAL REQUIRED, 1500 GAL PROVIDED)

PROPOSED

SEPTIC SYSTEM PLAN

LOCUS: 72 DEARBORN ROAD
GREENLAND, NH
TAX MAP R12 LOT 27A

OWNER: REP REVOCABLE LIVING TRUST
C/O ROBERT PETERSON
PO BOX 793
GREENLAND, NH 03840–0793

NEW HAMPSHIRE Designer of Subsurface Disposal Systems ★★★ Anne W. Bialobrzeski No. 348 Department of Environmental Services

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306

DATE: APRIL 3, 2007

APPROVAL: CA2007086948